

U.S. Environmental Protection Agency



## Community Involvement Plan

for

### **South Dayton Dump and Landfill Superfund Site**

*City of Moraine, Montgomery County, Ohio*

August 2008

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**U.S. Environmental Protection Agency**



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## **Introduction**

This updated community involvement plan for the South Dayton Dump and Landfill Superfund site was prepared by U.S. Environmental Protection Agency, which is responsible for community involvement and cleanup activities at the site under the federal Superfund program. This CIP provides background information on the site and recommends activities EPA will do to continue to inform the public and local officials about progress at the site, and to encourage community involvement during the site cleanup.

This CIP also discusses the concerns of nearby residents and local officials regarding the sites and ways for EPA to address them. The information in this plan is based primarily on discussions with residents and officials that took place in June 2008.

## **Site description**

### **Location and site features**

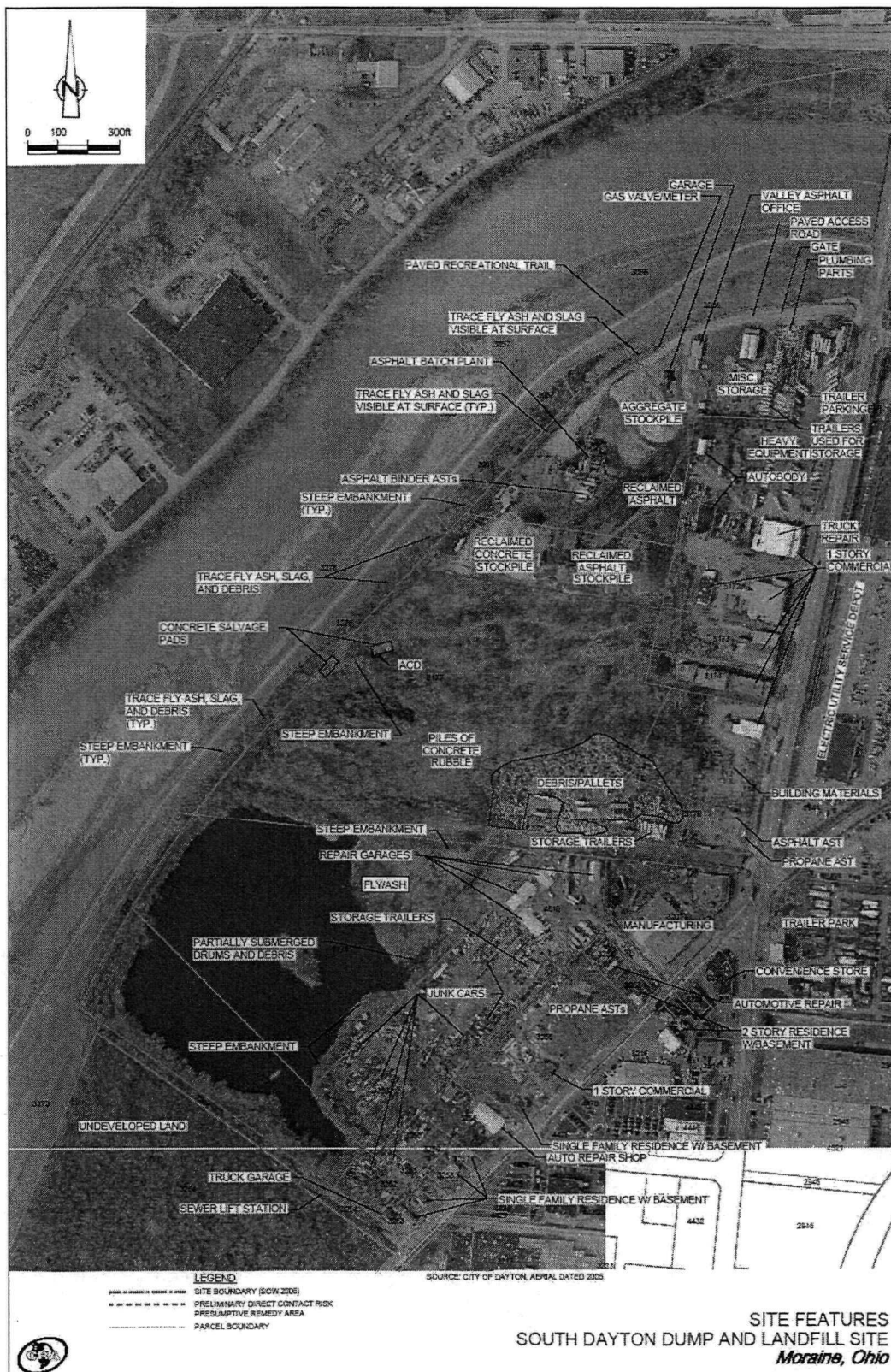
The South Dayton Dump and Landfill is a former disposal area for industrial and municipal waste located at 1975 Dryden Road in Moraine, Ohio. The site is approximately 80 acres and includes two 5-acre ponds used for disposal. About 40 acres of the landfill has been built over and/or is being used for other commercial/industrial purposes including an operating asphalt plant.

The landfill is located near the Great Miami River and is separated from the river by about 350 feet of flat open land and the Great Miami River Recreation Trail. Here are more details about the landfill:

- Seven residences are within 200 feet of the landfill along East River Road, and a trailer park is 200 feet from the landfill east of Dryden Road.
- Part of the landfill is within the 100-year floodway and more than half of the landfill is within the 100-year floodplain.
- Landfill is within a secondary wellhead protection area, a well used for catching spills and leaks from an original container in a public water supply area, and there is a well (not used for drinking water) in the northern part of the landfill.
- Some of the landfilled materials are below the water table and are in direct contact with ground water
- Landfill operated from 1941 to 1996 and is a filled in sand and gravel pit.
- Landfill contains drums, metal turnings, fly ash, foundry sand, demolition material, wooden pallets, asphalt, paint, paint thinner, oils, brake fluids, asbestos, solvents, transformers and other industrial waste.

As the extracted areas of the site were filled, some of the property was sold and/or leased to businesses including Valley Asphalt and others along Dryden Road and East River Road. The Miami Conservancy District owns the southern part of the site including part of the large quarry pond. The site also contains a federally designated wetland. The owners of the remaining undeveloped areas of the landfill would like to develop these areas for commercial and/or industrial use.

# Site Map and Features



## Cleanup progress

In 1985 the State of Ohio EPA performed a site inspection and preliminary assessment of the South Dayton Dump and Landfill as part of a joint EPA and State effort to evaluate sites where hazardous substances were known or suspected of having been disposed. Based on the results of the preliminary assessment, the South Dayton Dump Site was referred to EPA. The following timeline describes EPA's activities at the site.

- 1991 - EPA conducts a screening site inspection of the landfill.
- 1995 - EPA conducts a more focused evaluation to prioritize the need for cleanup.
- 1996 - Ohio EPA conducts a landfill evaluation prioritization.
- 2000 - Valley Asphalt removed several drums and 2,217 tons of contaminated soil from its property. Soil was uncovered when a sewer line was being removed.
- 2002 - EPA conducts an aerial photographic analysis of the site.
- 2004 - EPA proposes the site to the National Priorities List.
- 2006 - Under a legal agreement with EPA, several parties whom EPA has determined may be legally responsible for the site's contamination (Potentially Responsible Parties or PRPs) agree to conduct further studies and evaluate cleanup options at the site.
- 2007 - Potentially responsible parties submit a work plan for conducting an investigation into the nature and extent of contamination at the site.
- 2008 - EPA notifies the PRPs of work plan deficiencies, and as an alternative to conducting the site investigation, EPA proposes a more common cleanup method for municipal landfill sites that involves:
  - Containing the landfill contents and potentially contaminated ground water (Operable Unit 1).
  - Offsite areas not included in this remedy (OU 2) would be addressed through a conventional remedial investigation, feasibility study, and site-wide human health and ecological risk assessment.
    - Remedial investigation studies the nature and extent of contamination at the site, while the feasibility study evaluates different cleanup options.
    - The risk assessment looks at potential health risks to people and wildlife due to contamination at the site.
- 2008 - PRPs submit final work plans for the South Dayton Dump and Landfill site. The five work plans include:
  - a land survey
  - test pit/test trench investigation
  - ground water sampling, leachate seep (water that collects contaminants as it trickles through wastes, pesticides, or fertilizers)
  - landfill gas/soil vapor investigation.



### Contaminants

Past operations at the now-closed landfill have resulted in soil and ground-water contamination, which poses a threat to an underground drinking water aquifer and the Greater Miami River, which runs along the west side of the site.

Soil contains metals including lead, copper, antimony, arsenic, barium, beryllium, cadmium and mercury, and organic compounds including polychlorinated biphenyls (PCBs), trichloroethene or TCE, tetrachloroethene known as PCE and polynuclear aromatic hydrocarbons (PAHs).

Ground water contains vinyl chloride, TCE, 1,2-dichloroethene and other volatile organic compounds. Sediment in the water-filled gravel pit contains PCBs and pesticides, and sediment in the adjacent Great Miami River contains pesticides and mercury.

### Liability

This site is being addressed by a group of PRPs under federal and state oversight.

### Community background

The city of Moraine is in Montgomery County and is part of the Dayton Metropolitan Statistical Area, which includes Montgomery County. Moraine, as part of the Dayton area, is situated within the Miami Valley region of Ohio, just north of the Cincinnati metropolitan area.

As of census 2000, the racial makeup of the city was 90 percent White, 6 percent African American, 2 percent Asian, less than 1.5 percent Hispanic or Latino of any race, and less than 1 percent Native American and other races. About 7 percent of families and 10 percent of the population were below the poverty line, including 12 percent of those under age 18 and 6 percent of those age 65 or over.

The table below summarizes housing, income and population characteristics for the cities of Moraine and Dayton, Montgomery County and the state of Ohio.

Community	Median Household Income (1999)	Median Home Value (2000)	Population (2000)
City of Moraine	\$34,341	\$83,400	6,897
City of Dayton	\$27,423	\$67,300	166,179
Montgomery County	\$40,156	\$95,900	559,062
State of Ohio	\$40,956	\$103,700	11,353,140

Source: U.S. Census Bureau, 2008

### Status of community involvement activities

EPA's community involvement activities began in June 2008 when EPA conducted community interviews to identify information needs and concerns. EPA held community interviews on June 4-5, 2008, to assess how much the community knew about the site, obtain area residents' and local officials' concerns about the site, and determine what information

they wanted EPA to provide them and the best way to disseminate that information. The results of those interviews were used to produce this CIP for the South Dayton Dump and Landfill site.

### **Community issues and concerns**

Overall, few residents and local officials who were interviewed in June 2008 had health concerns about the South Dayton Dump and Landfill site. Most were unaware of the site and welcomed EPA to talk with them in order to discuss other issues in the community, primarily the odors emanating from a waste water treatment plant in nearby Dayton. Others who agreed to be interviewed thought EPA was coming to discuss the South Dayton Transfer Station.

### **Summary of community interviews**

About a dozen local officials and residents were interviewed. Following is a summary of the questions asked and the answers received during the community interviews.

#### **What do you know about the South Dayton Dump and Landfill site?**

Most people knew the site existed but were relatively unfamiliar with the details of the site. A couple people knew that the asphalt company was built on top or near it. A couple others had been to the site. A local official was surprised to learn the site had accepted municipal waste rather than just commercial and industrial waste.

#### **Do you have any concerns about the site?**

Most people interviewed were more concerned with other potential sources of contamination in the area and did not think that the site was an issue. Some expressed concern that if it were causing contamination, then they would like to see it cleaned up. One person was concerned that toxic waste was on the site; she was looking for a cause of eight cases of leukemia in her neighborhood. Some people were concerned with potential impacts to the river.

Questions that were asked about the site included:

- What is the possibility of redevelopment?
- What are the contaminants of concern?
- Are the fish affected?
- Who is going to fund the cleanup? Will funds from Superfund be used to pay for the cleanup?
- Was municipal waste deposited there? Have municipal PRPs been identified?
- Where are the nearest well fields? Are there a lot of wells?
- How can the site be capped with the existing (asphalt) business on it?
- Has the contamination been defined?

#### **Do you think the site, in its current state, poses any risks to your children?**

No one interviewed said they felt the site was posing risks to their children.

**Has your enjoyment of the area been affected by the site?**

No one expressed that their enjoyment had been negatively affected by the site. A few people mentioned the bike path that is adjacent to the site favorably. Others said occasional jet skiing, fishing and swimming did occur in the river near the site.

**What government officials have you interacted with about the site? Do you feel these officials have been responsive to your concerns?**

No one said they had interacted with government officials regarding this site. One person stated they had dealt with the Ohio EPA concerning leases on monitoring locations.

**How frequently do you think public meetings about the site should be held? Would you attend?**

Only two people interviewed stated they would attend a public meeting regarding the site. Someone said that business owners might attend. Someone else said that because the site is in a commercial and industrial area there is not a lot of public interest.

**What is a good meeting location?**

Various locations were suggested, including:

- City of Moraine Municipal Building
- Civic Center
- Council Chambers
- Kettering Government Building
- Old Apex Church
- Dayton Power and Light Company facility
- Holiday Inn on Dryden Road
- Community Center
- Moraine Recreational Center
- Priority Board
- City Hall
- Carillon Park

**Are you interested in receiving more information about the site? If yes, what's the best way to provide that information to you (e-mail, regular mail)?**

Most people wanted more information about the site. Answers on the best way to provide the information varied and included e-mail, newsletter or regular mail. Officials from the city of Moraine offered to distribute the information for EPA.

**What type of media (e.g., newspaper, internet, radio) do you rely on for information? What stations and papers do you prefer?**

Almost everyone interviewed read the *Dayton Daily News*. Many interviewed also watched several local television stations' news broadcasts and listened to various radio stations. The internet also was mentioned by two individuals.

Specific television channels mentioned included WDTN, and Dayton Channels 2, 22, 45, and 7. Radio stations mentioned included 102.9, U92, WYSO, 88.5, and 91.3.



**When possible, site information is posted on EPA's Web site. Have you used the EPA Region 5 Web site?**

A few of those interviewed had been on EPA's Web site. Marion officials offered to put a link to the South Dayton Dump and Landfill Web site on the city's Web site.

**How interested are you in environmental issues in general?**

Most people were concerned or very concerned with environmental issues. Specialized concerns included land conservation, habitat management, recycling, water quality, pollution, and contaminants.

**Are there any other people you think we should talk to about the South Dayton Dump and Landfill site?**

Suggestions from those interviewed included contacting:

- City of Dayton Environmental Manager
- Miami Conservancy District Property Manager
- Ohio Citizen Action Group
- Owners of trailer court in the area
- Policy Committee
- University of Dayton Environmental Division
- Miami Valley Regional Planning
- Montgomery County Operator of Holding Station
- Montgomery County Sanitary Engineer
- Businesses in the area of the site
- Water Department - City of Dayton

### **Proposed community involvement activities**

The next step for EPA is to address the issues, concerns and questions that were expressed about the site. To do this, EPA is proposing to:

#### **Send fact sheets**

EPA will mail out fact sheets to those on the site's mailing list as a way to give updates on the site and its activities. The fact sheets will be mailed out periodically to inform the public about upcoming meetings and important technical information.

In addition to sending fact sheets via first class mail, EPA will develop an e-mail distribution list for interested parties who prefer e-mail. The fact sheet will be sent to e-mail recipients as a .pdf file at the same time the fact sheet is mailed. E-mails also will contain a link to EPA's South Dayton Dump and Landfill Web site and to the electronic fact sheet.

#### **Hold community meetings**

Based on public interest, EPA may hold community meetings at key milestones. Any meetings will be announced via newspaper notices, e-mail messages, Web sites and fact sheets. Every effort will be made to hold meetings in a public facility near the site such as the recreation center, civic center or municipal building to make it convenient for residents to attend.

### **Stay in contact with key stakeholders**

City of Moraine officials offered to disseminate information to the community via the city's Web site and *The Moraine Report*.

In addition to fact sheets and public meetings, EPA will disseminate information to the city on a regular basis, even if there is no key milestone on which to report.

The e-mail distribution list developed for this site could be used to provide regular, concise updates ranging from a few sentences to a few paragraphs.

A contact list of government officials who will be provided information about the site is in Appendix A.

### **Maintain information repositories**

An information repository was established at the Montgomery County Library, Kettering - Moraine Branch, 3496 Far Hills Ave., Kettering. The repository contains information and documents about the site, including the legally enforceable agreement under which the PRPs have agreed to conduct and pay for the investigations and cleanup at the site called an Administrative Settlement Agreement and Order on Consent.

### **Work with local media**

EPA staff will continue to be available to local media. The most widely read newspaper in the community is the *Dayton Daily News*. EPA will publish notices in this newspaper prior to any site milestone as appropriate.

The other publication that is read by the community is the *Marion Report*, which will be provided site information for publication at its discretion.

A contact list of area media services that will be provided site information is in Appendix A.

### **Internet**

Since many residents expressed interest in receiving information electronically, EPA will continue to post site information at [www.epa.gov/region5/sites/sodayton](http://www.epa.gov/region5/sites/sodayton). Photographs and other site-related information will be added to the Web site as they become available.

### **Have a presence**

EPA's community involvement coordinator and remedial project manager will respond to inquiries from those interested in the site throughout the cleanup. They also will be available to speak to local citizen groups, upon request. EPA's toll-free telephone number and the project staff's direct numbers and e-mail addresses will be included on all community involvement material and are listed in Appendix A.

# Appendix A

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## South Dayton Dump and Landfill Superfund Site Contact List

### Elected Officials

#### Federal Officials

Senator George V. Voinovich  
524 Hart Senate Office Building  
SH-524

Washington, DC 20510

Phone: 202-224-3353

Fax: 202-228-1382

37 W. Broad St., Suite 310

Columbus, OH 43215

Phone: 614-469-6697

Fax: 614-469-7733

Senator Sherrod Brown

455 Russell Senate Office Building  
SR-455

Washington, DC 20510

Phone: 202-224-2315

Fax: 202-228-6321

1301 E. Ninth St., Suite 1710

Cleveland, OH 44114

Phone: 216-522-7272

Fax: 216-522-2239

Congressman Michael Turner

1740 Longworth House Office Building

Washington, DC 20515

Phone: 202-225-6465

Fax: 202-225-6754

120 W. Third St., Suite 305

Dayton, OH 45402

Phone: 937-225-2843

Fax: 937-225-2752

Congressman John Boehner

1011 Longworth House Office Building

Washington, DC 20515

Phone: 202-225-6205

Fax: 202-225-0704

7969 Cincinnati-Dayton Rd., Suite B  
West Chester, OH 45069

Phone: 513-779-5400

Fax: 513-779-5315

#### State Officials

Governor Ted Strickland

77 S. High St., 30th Floor

Columbus, OH 43215

Phone: 614-466-3555

Fax: 614-466-9354

Senator Tom Roberts

128 First Floor Senate Building

Columbus, OH 43215

Phone: 614-466-6247

Fax: 614-644-6164

E-mail: troberts@maild.sen.state.oh.us

Representative Clayton Luckie

10th Floor House Of Representatives

77 S. High St.

Columbus, OH 43215

Phone: 614-466-1607

Fax: 614-719-6967

E-mail: district39@ohr.state.oh.us

Representative Frederick Strahorn

State Representative

14th Floor House of Representatives

Columbus, OH 43215

Phone: 614-466-2960

Fax: 601-719-6940

E-mail: district40@ohr.state.oh.us

223 Kenwood Ave.

Dayton, OH 45404

Phone: 937-274-9546

Matt Justice  
Ohio EPA Project Coordinator  
401 E. Fifth St.  
Dayton, OH 45402  
Phone: 937-285-6040  
Fax: 937-285-6404  
E-mail: Matt.Justice@epa.state.oh.us

**Local Officials**

Mayor Rhine Mcllin  
Mayor's Office  
City Hall, Second Floor  
101 W. Third St.  
Dayton, OH 45402  
Phone: 937-333-3636

Rashad M Young  
City Manager  
101 W. Third St.  
Dayton, OH 45402  
Phone: 937-333-3636

Commissioner Dean A. Lovelace  
City Commission Office  
City Hall, Second Floor  
101 W. Third St.  
Dayton, OH 45402  
Phone: 937-333-3636

Commissioner Joey D. Williams  
City Commission Office  
City Hall, Second Floor  
101 W. Third St.  
Dayton, OH 45402  
Phone: 937-333-3636

Commissioner Matt Joseph  
City Commission Office  
City Hall, Second Floor  
101 W. Third St.  
Dayton, OH 45402  
Phone: 937-333-3636

Commissioner Nan Whaley  
City Commission Office  
City Hall, Second Floor  
101 W. Third St.  
Dayton, OH 45402  
Phone: 937-333-3636

Dan Foley  
Commissioner  
Montgomery County  
451 W. Third St., 11th Floor  
P.O. Box 972  
Dayton, OH 45422  
Phone: 937-225-4912

Judy Dodge  
Commissioner  
Montgomery County  
451 W. Third St., 11th Floor  
P.O. Box 972  
Dayton, OH 45422  
Phone: 937-225-6470

David L. Ricks, P.E.  
Montgomery County Director Of Public Works  
451 W. Third St.  
P.O. Box 972  
Dayton, OH 45422  
Phone: 937-225-4856

Montgomery Soil and Water Conservation  
District  
10025 Amity Rd.  
Brookville, OH 45309

Mayor Leonard Johnson  
City of Moraine  
4200 Dryden Rd.  
Moraine, OH 45439  
Phone: 937-535-1000  
E-mail: Leonard.johnson@moraineoh.org

Deputy Mayor Regina Metheny  
City of Moraine  
4200 Dryden Rd.  
Moraine, OH 45439  
Phone: 937-535-1002  
Fax: 937-535-1275  
E-mail: dhicks@donet.com

David Hicks, City Manager  
City of Moraine  
4200 Dryden Rd.  
Moraine, OH 45439  
Phone: 937-535-1002  
Fax: 937-535-1275

Sue Curtis, Director  
Stillwater Center  
8100 N. Main St.  
Dayton, OH 45415  
Phone: 937-890-0646

Sanitary Engineering Department  
1850 Spaulding Rd.  
Kettering, OH 45432  
Phone: 937-781-2500

Combined Health District Of Montgomery  
County  
117 S. Main St.  
Dayton, OH 45422  
Phone: 937-225-5700  
Email: information&referral@phdmc.org

## **EPA**

Superfund Division, Region 5  
77 W. Jackson Blvd.  
Chicago, IL 60606

Patricia Krause  
Community Involvement Coordinator  
Phone: 312-886-9506  
E-mail: Krause.patricia@epa.gov

Karen Cibulskis  
Remedial Project Manager  
Phone: 312-886-1843  
E-mail: cibulskis.karen@epa.gov

## **Information Repositories**

Montgomery County Library  
Kettering - Moraine Branch  
3496 Far Hills Ave.  
Kettering, OH 45429  
Phone: 937-227-9509

## **Interested Parties**

Ardith Hamilton  
Audobon Society  
1000 Allwood Rd.  
Dayton, OH 45422  
Phone: 937-890-7360

David Nolin, Conservation Director  
Five Rivers Metro Parks  
1375 E. Siebenthaler Ave.  
Dayton, OH 45414  
Phone: 937-275-7275

Janet Bly, General Manager  
Miami Conservancy District  
38 E. Monument Ave.  
Dayton, OH 45402  
Phone: 937-223-1271  
Fax: 937-223-4730  
E-mail: info@miamiconservancy.org

Jamos Amon  
Beaver Creek Wetlands Association  
P.O. Box 42  
Alpha, OH 45301  
Phone: 937-320-9042  
E-mail: technical@beavercreekwetlands.org

Center for Ground Water Management  
Wright State University  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435  
Phone: 937-775-2976  
Fax: 937-775-2453

Hunting W. Brown, M.A., J.D.  
Department of Earth & Environmental Sciences  
272 Brehm Lab  
Wright State University  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435  
Phone: 937-775-2201  
Fax: 937-775-4997  
E-mail: hunt.brown@wright.edu

Greene County Environmental Coalition  
P.O. Box 266  
Yellow Springs, OH 45387  
Phone: 937-767-2109  
E-mail: gec@greenlink.org

Marianist Environmental Education Center  
St. Joseph Hall  
Mount Saint John  
4435 E. Patterson Rd.  
Dayton, OH 45420  
Phone: 937-429-3582  
E-mail: meec@udayton.edu



Bob Steinbach, Director of Regional Initiatives  
Miami Valley Regional Planning Commission  
One Dayton Centre, Suite 260  
1 S. Main St.  
Dayton, OH 45402  
Phone: 937-223-6323  
Fax: 937-223-9750  
E-mail: bsteinbach@mvrpc.org

Friends of the Great Miami  
P.O. Box 141482  
Cincinnati, OH 45250  
Phone: 513-769-4924  
E-mail: friends@fogm.org

Ohio Environmental Protection Agency  
Southeast District  
401 E. Fifth St.  
Dayton, OH 45402  
Phone: 937-285-6357

Ellen Hwkey Carmichael  
Conservation Program Manager  
Sierra Club Ohio Chapter Office  
131 N. High St., Suite 605  
Columbus, OH 43215  
Phone: 614-461-0734, ext. 304

## **Media**

### **Newspapers**

*Dayton Daily News*  
Cox Ohio Publishing Media Center  
Jim Dillon, Local News Section Editor  
1611 S. Main St.  
Dayton, OH 45409  
Phone: 937-225-2420  
E-mail: jdillon@daytondailynews.com

### **Radio**

WONE 980 AM  
101 Dine St.  
Dayton, OH 45402

WING 1410 AM  
717 E. David Rd.  
Dayton, OH 45429

WDAO 1210 AM  
1012 W. Third St.  
Dayton, OH 45402

WHIO 1290 AM  
1414 Wilmington Ave.  
Dayton, OH 45420

WGNZ 1110 AM  
8010 N. Main St.  
Dayton, OH 45420

WCNW 1560 AM  
8686 Michael Ln.  
Fairfield, OH 45014

WLQT 99.9 FM  
101 Pine st.  
Dayton, OH 45402

WMMX 107.7 FM  
101 Pine St.  
Dayton, OH 45402

WTUE 104.7 FM  
101 Pine St.  
Dayton, OH 45402

WRNB 92.1 FM  
927 Wheeling Ave.  
Cambridge, OH 43725

WDPR 88.1 FM  
126 N. Main St.  
Dayton, OH 45402

WXEG 103.9 FM  
101 Dine St.  
Dayton, OH 45402

WFCJ 93.7 FM  
7333 Manning Rd.  
Miamisburg, OH 45342

WDPS 89.5 FM  
917 E. Central Ave.  
Dayton, OH 45449

WPFB 105.9 FM  
4505 Central Ave.  
Middletown, OH 45044

WGTZ 92.9 FM  
717 E. David Rd.  
Dayton, OH 45429

WCWT 101.5 FM  
6126 Chambersburg Rd.  
Dayton, OH 45424

WQRP 89.5 FM  
917 E. Central Ave.  
Dayton, OH 45449

WYGY 96.5 FM  
895 Central Ave.  
Cincinnati, OH 45202

WDKF 94.5 FM  
101 Pine St.  
Dayton, OH 45402

WMOJ 94.9 FM  
895 Central Ave.  
Cincinnati, OH 45202

WGRR 103.5 FM  
2060 Reading Rd., Floor 4  
Cincinnati, OH 45202

WWSU 106.9 FM  
3640 Colonel Glenn Hwy.  
Fairborn, OH 45324

**Television**

WDTN Channel 2  
4595 S. Dixie Dr.  
Moraine, OH 45439

WPTD Channel 16  
7450 Dibble Rd.  
Celina, OH 45822

WHIO Channel 7  
1414 Wilmington Ave.  
Dayton, OH 45420

WKEF Channel 22  
1731 Soldiers Home Rd.  
Dayton, OH 45418

WRGT Channel 45  
45 Broadcast Plaza  
Dayton, OH 45408

WRCX-LP Channel 51  
708 W. Hillcrest Ave.  
Dayton, OH 45406

WBDT Channel 26  
2589 Corporate Pl.  
Miamisburg, OH 45342

WPTO Channel 14  
7450 Dibble Rd.  
Celina, OH 45822